4-29-2013

Oregon State Ranking Assessment for Olive-sided Flycatcher (Contopus cooperi)

Eleanor P. Gaines
Portland State University, egaines@pdx.edu

Natural Heritage Ranking Form - Oregon State Rank

Oregon Ranking Form **Olive-sided flycatcher (Contopus cooperi)** **Oregon Biodiversity Information Center**

SPECIES ASSESSED

Scientific Name ***Contopus cooperi*** **ELCODE** ABPAE32010

Common Name **Olive-sided flycatcher** **Element ID** 6577

American Ornithologists' Union (AOU). 1998. Check-list of North American birds. Seventh edition. American Ornithologists' Union, Washington, D.C. [as modified by subsequent supplements and corrections published in The Auk]. Also available online: http://www.aou.org/.

CONSERVATION STATUS RANK

Assigned Rank **S2S3B**

Rank Assignment Author	Eleanor Gaines	**Rank Review Date**	6/20/2013
Rank Factors Author	Eleanor Gaines	**Rank Factors Date**	04/29/2013
Calculated Rank	S2S3	**Rank Change Date**	06/20/2013
Rank Methodology Used	Legacy Rank calculation - Excel v3.1x		

Assigned Rank Reasons

Declines in Oregon and throughout range. Threats from fire supression, habitat management. Also impacted by threats in wintering habitat, not reflected here. PIF regards this as a species of regional concern throughout OR.

RANGE/DISTRIBUTION

Range Extent

Rating 20,000-200,000 square km (about 8000-80,000 square miles)

Estimate 259959 **Unit Used for Estimate** Square Kilometers

Comments Ranges approximately statewide. Convex Hull: 259,959 sq km

Area of Occupancy

Grid Cell Size 4 km² Grid Cells

Rating (as Number of 4 km2 Grid Cells) F = 126-500

Comments 453 4-km2 grid cells occupied according to PODS.

ABUNDANCE AND CONDITION

Rating 81 - 300

Estimate 250

Comments

Based on 5k separation distance and PODS data, there are probably fewer than 250 EOs in OR. This species has not been tracked. Removed BBA possible records, buffered and disolved remaining records. Result = 247 possible EOs.

Rating 10,000 - 100,000 individuals

Estimate 59000

Comments

59,000 individuals in OR, per PIF Land bird population estimation database. Estimate is based on 'good' data and is considered reliable.

Number of Occurrences with Good Viability/Ecological Integrity

Rating Few to some (4-40)

Comments

PIF Species Assessment Database Population Trend score of 5 (significant large decrease, greater than 50%) throughout OR. NatureServe Explorer estimates decline of 10-30%, based on BBS data.

THREATS

Threat Category Code	Threat Category	Calculated Impact	Scope	Severity	Timing	Comments
5	Biological resource use	D = Low	Restricted: Affects some (11-30%) of the total population or occurrences or extent	Moderate: Likely to moderately degrade/reduce affected occurrences or habitat, or reduce population 11-30%		Forest practices that remove snags, tall perches, nest habitat.
5.3	Logging & wood harvesting	D = Low	Restricted: Affects some (11-30%) of the total population or occurrences or extent	Moderate: Likely to moderately degrade/reduce affected occurrences or habitat, or reduce population 11-30%		
7	Natural system modifications	CD = Medium - low	Restricted: Affects some (11-30%) of the total population or occurrences or extent	Serious - moderate		Fire suppression, forest practices that create suboptimal habitat. Bob Altman, Birds of Oregon
7.1	Fire & fire suppression	CD = Medium - low	Restricted: Affects some (11-30%) of the total population or occurrences or extent	Serious - moderate		
8	Invasive & other problematic species, genes & diseases	D = Low	Small: Affects a small proportion (1-10%) of the total population or occurrences or extent	Slight: Likely to only slightly degrade/reduce affected occurrences or habitat, or reduce population 1-10%		Nest parasitism, predation

Calculated Overall Threat Impact CD = Medium - low

Assigned Overall Threat Impact C = Medium

Overall Threat Impact Comments

Fire supression, loss of suitable habitat to forest practices. This is in general agreement with PIF Threats to Breeding of 3 in Western and NE OR. In the Great Basin PIF rates threats as 4 (severe).

TRENDS

Short-Term Trend

Rating DE = Decline of 30-70%

Comments

PIF Species Assessment Database Population Trend score of 5 (significant large decrease, greater than 50%) throughout OR. NatureServe Explorer estimates decline of 10-30%, based on BBS data.

Long-Term Trend

Rating DE = Decline of 30-70%

OTHER FACTORS

Intrinsic Vulnerability Rating

Comments

Environmental Specificity Rating Narrow. Specialist or community with key requirements common.

Comments

Coniferous forest, often associated with forest edge. Tall trees or snags important.

ADDITIONAL SPECIES INFORMATION

Oregon Habitat Comments

Found in spruce and fir forests in Oregon. Coniferous forests of all ages, particularly those with an uneven canopy and plenty of snags. Often associated with forest openings and edges (natural or man-made), burned areas and forests near bodies of water (Marshall et al. 2003).

RANKING REFERENCES

Short Citation Author	Year	Full Citation
Altman	2003	Altman, R. 2003. Olive-sided flycatcher. pp 74-376 in Birds of Oregon: A General Reference. D.B. Marshall, M.G. Hunter, and A. L. Contreras, eds. Oregons State University Press, Corvallis, OR.
Altman and Sallabanks	2000	Altman, B., and R. Sallabanks. 2000. Olive-sided Flycatcher (Contopus cooperi). No. 502 IN A. Poole and F. Gill (eds.), The birds of North America. The Birds of North America, Inc., Philadelphia, PA. 28pp.
ORBIC	2019	Oregon Biodiversity Information Center. 2019. Point Observation Database (PODs). Unpublished species point observations collated from many sources across Oregon.
Partners In Flight	2007	Partners In Flight. 2007. Landbird Population Estimates Database. http://rmbo.org/pif_db/laped/default.aspx
Partners In Flight	2012	Partners in Flight. 2012. Species Assessment Database.

RESOURCES

Oregon Biodiversity Information Center, Institute for Natural Resources
Portland State University, Mail Stop: INR, PO Box 751, Portland, OR 97207-0751 Phone: 503-725-9950

Additional ORBIC species ranking forms posted at
https://inr.oregonstate.edu/orbic/rare-species/ranking-documentation

Information on Natural Heritage ranking methodology is available at
http://www.natureserve.org/biodiversity-science/publications/natureserve-conservation-status-assessments-methodology-assigning

The Conservation Rank Calculator is developed and maintained by NatureServe and is available from
http://www.natureserve.org/conservation-tools/conservation-rank-calculator

ASSESSMENT CITATION

Eleanor Gaines. 2013. Oregon state rank assessment for Olive-sided flycatcher (Contopus cooperi). Oregon Biodiversity Information Center. Institute for Natural Resources, Portland State University, Portland, OR.